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NOTICE OF ALLOWANCE AND FEE(S) DUE

45544 7590 03/31/2009

HOFFMAN WARNICK LLC
75 STATE ST
14TH FLOOR
ALBANY, NY 12207

EXAMINER

DADA, BEEMNET W

ART UNIT

PAPER NUMBER

2435

DATE MAILED: 03/31/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,283	07/29/2003	Charles W. Kaufman	LOT920030007US1	9707

TITLE OF INVENTION: METHOD, SYSTEM AND PROGRAM PRODUCT FOR PROTECTING A DISTRIBUTED APPLICATION USER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

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TITLE OF INVENTION: METHOD, SYSTEM AND PROGRAM PRODUCT FOR PROTECTING A DISTRIBUTED APPLICATION USER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/30/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
DADA, BEEMNET W	2435	726-026000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.**

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 736 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 736 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/630,283

Examiner

BEEHNET W. DADA

Applicant(s)

KAUFMAN ET AL.

Art Unit

2435

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/31/08.
2. ☒ The allowed claim(s) is/are 1,4-7,9-11,13-18,20-25,27-29,31-36, 38 and 39.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Elaine Chi, Reg. No. 61,194 on March 13, 2009.

The application has been amended as follows:

In the claims:

1. (Currently Amended) A method for protecting a distributed application user, comprising:
 - providing a distributed application on a server;
 - generating a single security value for an authenticated user of the distributed application, wherein every user is authenticated prior to generating the security value and the security value is a pseudo-random number;
 - associating the security value with a set of commands of the distributed application, wherein each command comprises a command that can be used in a malicious attack against the authenticated user, wherein the associating step comprises associating the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application;
 - receiving one of the set of commands on the server from the authenticated user, wherein the one command comprises a command to delete files of the authenticated user, and wherein

the receiving step comprises receiving one of the set of URLs on the server from the authenticated user;

determining if the one command is required to be associated with the security value, wherein the command is required to be associated with the security value if the command can be used in a malicious attack;

executing the one command if the one command is not required to be associated with the security value; and

if the one command is required to be associated with the security value:

checking the one command for the security value to determine if the one command originated from the authenticated user;

preventing execution of the one command if the security value is not found with the one command or if there is an error in the security value; and

returning an error message to the authenticated user if the security value is not found with the one command or if there is an error in the security value, wherein the error message prompts the authenticated user for confirmation before the one command can be executed.

2. (Canceled).

3. (Canceled).

4. (Previously Presented) The method of claim 1, wherein the security value, as a pseudo-random number, is generated by a random number generator.

5. (Original) The method of claim 1, further comprising storing the security value on the server.
6. (Original) The method of claim 1, further comprising:
 - associating the security value with session information corresponding to the authenticated user; and
 - communicating the session information and the security value to the authenticated user.
7. (Original) The method of claim 1, wherein the authenticated user operates a client that communicates with the server.
8. (Canceled).
9. (Currently Amended) The method of claim [[8]] 1, wherein the one URL is pre-constructed on the server.
10. (Currently Amended) The method of claim [[8]] 1, wherein the one URL is constructed on the client, and wherein the method further comprises:
 - extracting the security value on the client; and
 - appending the security value to the one URL on the client.
11. (Currently Amended) A method for protecting a distributed application user, comprising:
 - providing a distributed application on a server;
 - authenticating a user of the distributed application, wherein every user is authenticated;

generating, on the server, a single security value for the authenticated user, wherein the security value is a pseudo-random number;

associating the security value with a set of uniform resource locators (URLs) corresponding to a set of commands of the distributed application, wherein each command comprises a command that can be used in a malicious attack against the authenticated user, and wherein the one URL is associated with a command to delete files of the authenticated user;

communicating the security value to a client operated by the authenticated user;
receiving one of the set of URLs on the server from the client;
determining if the one command is required to be associated with the security value, wherein the command is required to be associated with the security value if the command can be used in a malicious attack;
executing the one command if the one command is not required to be associated with the security value; and

if the one command is required to be associated with the security value:

checking the one URL for the security value to determine if the one URL originated from the authenticated user;

preventing execution of the command corresponding to the one URL if the security value is not found with one URL or if there is an error in the security value; and

returning an error message to the authenticated user if the security value is not found with the one URL or if there is an error in the security value, wherein the error message prompts the authenticated user for confirmation before the one URL can be executed.

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12. (Canceled).

13. (Original) The method of claim 11, further comprising:

determining session information for the authenticated user; and

associating the security value with the session information, wherein the communicating step comprises sending the session information and the security value to a client operated by the user.

14. (Original) The method of claim 11, wherein the associating step comprises appending the security value to a set of URLs corresponding to a set of commands of the distributed application.

15. (Original) The method of claim 11, wherein the one URL is pre-constructed on the server, and wherein client receives the one URL and the associated security value from the server.

16. (Original) The method of claim 11, wherein the one URL is constructed on the client, and wherein the associating step comprises;
extracting the security value on the client; and
appending the security value to the one URL.

17. (Original) The method of claim 11, further comprising storing the security value on the server, prior to communicating the security value to the client.

18. (Currently Amended) A system for protecting a distributed application user, comprising:

a computer device having a processor and memory including:

a security value system for generating a single security value for an authenticated user of a distributed application provided on a server, wherein every user is authenticated prior to generating the security value and the security value is a pseudo-random number;

an association system for associating the security value with a set of commands of the distributed application, wherein each command comprises a command that can be used in a malicious attack against the authenticated user, wherein the association system associates the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application; and

a command checking system for:

determining if the one command is required to be associated with the security value and executing the one command if the one command is not required to be associated with the security value, wherein the command is required to be associated with the security value if the command can be used in a malicious attack, and wherein the one command comprises a command to delete files of the authenticated user; and

if the one command is required to be associated with the security value:

checking one of the set of commands received on the server from the authenticated user for the security value to determine if the one command originated from the authenticated user by checking one of the set of URLs received on the server from the authenticated user for the security value,

preventing execution of the one command if the security value is not found with the one command or if there is an error in the security value, and

returning an error message to the authenticated user if the security value is not found with the one command or if there is an error in the security value, wherein the error message prompts the authenticated user for confirmation before the one command can be executed.

19. (Canceled).

20. (Original) The system of claim 18, further comprising an authentication system for authenticating a user of the distributed application.

21. (Previously Presented) The system of claim 18, wherein the security value, as a pseudo-random number, is generated by a random number generator.

22. (Original) The system of claim 18, wherein the security value is stored on the server.

23. (Original) The system of claim 18, wherein the security value is associated with session information corresponding to the authenticated user, and wherein the session information and the associated security value are communicated to the authenticated user.

24. (Original) The system of claim 18, wherein the command checking system comprises a filter servlet.

25. (Original) The system of claim 18, wherein the authenticated user operates a client that communicates with the server.

26. (Canceled).

27. (Currently Amended) The system of claim [[26]] 18, wherein the one URL is pre-constructed on the server.

28. (Currently Amended) The system of claim [[26]] 18, wherein the one URL is constructed on the client, and wherein the client comprises a command system for extracting the security value on the client, and for appending the security value to the one URL.

29. (Currently Amended) A computer program product stored on a computer readable medium for protecting a distributed application user, which when executed, comprises:

program code for generating a single security value for an authenticated user of a distributed application provided on a server, wherein every user is authenticated prior to generating the security value and the security value is a pseudo-random number;

program code for associating the security value with a set of commands of the distributed application, wherein each command comprises a command that can be used in a malicious attack against the authenticated user, wherein the program code for associating associates the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application;

program code for determining if the one command is required to be associated with the security value, wherein the command is required to be associated with the security value if the command can be used in a malicious attack, wherein the one command comprises a command to delete files of the authenticated user;

program code for executing the one command if the one command is not required to be associated with the security value; and

if the one command is required to be associated with the security value:

program code for checking one of the set of commands received on the server from the authenticated user for the security value to determine if the one command originated from the authenticated user by checking one of the set of URLs received on the server from the authenticated user for the security value, for preventing execution of the one command if the security value is not found with the one command or if there is an error in the security value, and for returning an error message to the authenticated user if the security value is not found with the one command or if there is an error in the security value, wherein the error message prompts the authenticated user for confirmation before the one command can be executed.

30. (Canceled).

31. (Previously Presented) The computer program product of claim 29, further comprising program code for authenticating a user of the distributed application.

32. (Previously Presented) The computer program product of claim 29, wherein the security value, as a pseudo-random number, is generated by a random number generator.

33. (Previously Presented) The computer program product of claim 29, wherein the security value is stored on the server.

34. (Previously Presented) The computer program product of claim 29, wherein the security value is associated with session information corresponding to the authenticated user, and wherein the session information and the associated security value are communicated to the authenticated user.

35. (Previously Presented) The computer program product of claim 29, wherein the program code for checking comprises a filter servlet.

36. (Previously Presented) The computer program product of claim 29, wherein the authenticated user operates a client that communicates with the server.

37. (Canceled).

38. (Currently Amended) The computer program product of claim [[37]] 29, wherein the one URL is pre-constructed on the server.

39. (Currently Amended) The computer program product of claim [[37]] 29, wherein the one URL is constructed on the client, and wherein the client comprises a program code for extracting the security value on the client, and for appending the security value to the one URL.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BEEMNET W. DADA whose telephone number is (571)272-3847. The examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Beemnet W Dada/
Examiner, Art Unit 2435
March 14, 2009